ELSEVIER

Author Index

A

Abe H. *See* Yoshimoto T

Abe T, Lüdecke DK. Mucocele-like formation leading to neurological symptoms in prolactin-secreting pituitary adenomas under dopamine agonist therapy, 274

Akaji K. *See* Sagoh M

Akita N. *See* Iwahashi H

Akiyama H. *See* Ueyama T

Aklhani A, Willinsky R, TerBrugge K. Spontaneous resolution of bilateral traumatic carotid cavernous fistulas and development of trans-sellar intercarotid vascular communication: Case report, 627

Alden TD. *See* Kaptain GJ

Alén JF. *See* Lagares A

Alexander E Jr
- Craniopagus twins, 647-rc
- Eric Oldberg, 100
- Erratum, 432

Ali Raja Ifikhar. *See* Sano K

Amar AP, Levy ML, Weiss MH. A quick simple and inexpensive method of surgical navigation for superficial intracranial targets, 530

Anderson B. *See* Keles GE

Ansari S, Moutaery KA. An unusual cause of depressed skull fracture: Case report, 638

Aronoff SC. *See* Prabhu VC

Ashizawa R, Ohtsuka K, Kamimura M, Ebara S, Takaoka K. Percutaneous transpedicular biopsy of thoracic and lumbar vertebrae-method and diagnostic validity, 545

Atay Y. *See* Yavuzgil O

Atkinson RL. *See* D'Urso PS

Atsuchi M. *See* Shigeno T

Ausman JI
- A response from the ISUIA, 428-ed
- Acoustic Neuroma, 434-br
- Atlas of Neurosurgery, 434-br
- Evaluating patients with vertebrobasilar transient ischemic attacks, 386
- If I gave you a million dollars what would you do with it?, 316
- In this issue, 1-ed, 111-ed, 215-ed, 327-ed, 437-ed, 543-ed
- Is there a limit to freedom?, 213-ed
- Lessons from Romania, 534-ed
- The Brain Atlas: A Visual Guide to the Human Central Nervous System, 110-br
- What are those soldiers doing? They're holding the horses!, 646-ed
- Why Medicare is like a government-sponsored furniture store, 106-ed

Awad IA
- Cavernous hemangiomas in the cavernous sinus: Case reports, 478-com
- Cavernous-venous stem: Report of a case and review of literature, 280-com

B

Başkaya MK. Inadvertent intracranial placement of a nasogastric tube in patients with head injuries, 426

Bagley LJ. *See* Hurst RW

Bank WO. *See* Bejjani GK

Barlas O, Sencer A, Erkan K, Eraksoy H, Sencer S, Baylindir Ç. Stereotactic surgery in the management of brain abscess, 404

Bartels RHMA, Van Overbeeke JJ, Wessling P. A new technique for the assessment of the draining area of a cerebral vein, 78

Basile D. *See* Gangemi M

Baylindir Ç. *See* Barlas O

Bejjani GK, Sekhar LN, Yost A-M, Bank WO, Wright DC. Vasospasm after cranial base tumor resection: Pathogenesis diagnosis and therapy, 577

Ben Amor S. *See* Khouja N

Benito-León J. *See* Lagares A

Benson MD. *See* D'Urso PS

Berger MS. *See* Keles GE

Bertan V. *See* Inci S

Bhagwati SN. *See* Bharucha NE

Bharucha NE, Bhagwati SN, Kanphade MM. Epilepsy and solitary lesions, 208

Bingöl A, Yücemen N, Meço O. Medically treated intraspinal *Brucella* granuloma, 570

Bizal JC. *See* Kaufman JK

Blaivas M. *See* Harrigan MR

Boussen H. *See* Khouja N

Bowles AP Jr. Reconstruction of the temporalis muscle for pterional and cranio-orbital craniotomies, 524

Brandabur MM. Current therpy in Parkinson's disease, 318

Brasnu D. *See* Roux FX

Breeze R. *See* Eule JM

Bricolo A. Cavernous angiomas of the brain stem. Intra-axial anatomical pitfalls and surgical strategies, 93-com

Brigante L. *See* Marinkovic S

Brock M
- Bilateral partial laminectomy: A treatment for lumbar spinal stenosis and midline disc herniation, 329-com
- *See* Pietilä TA

© 1999 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

0090-3019/99/$–see front matter
SSDI 0090-3019

Brotchi J
Radiologic and surgical aspects of pure spinal epidural cavernous angiomas. Report of 5 cases and review of the literature, 198-com
Spinal intramedullary ependymal cyst: A case report, 357-com
Buell U. *See* Schreckenberger M
Buket S. *See* Yavuzgil O

C

Cabezudo JM. *See* Fernández-Portales I
Campollo J. *See* Lagares A
Cantore G, Missori P, Santoro A. Cavernous angiomas of the brain stem. Intra-axial anatomical pitfalls and surgical strategies, 84
Caspar W, Pitzen T. Anterior cervical fusion and trapezoidal plate stabilization for re-do surgery, 345
Cenacchi G. *See* Stumpo M
Chandra PS, Manjari T, Chandramouli BA, Jayakumar PN, Shankar SK. Cavernous-venous stem: Report of a case and review of literature, 280
Chandramouli BA. *See* Chandra PS
Chang H-W. *See* Lu C-H
Chang W-N. *See* Lu C-H
Charbel FT
An unusual fatal complication of low basilar trunk aneurysm surgery: Isolated prepontine tension pneumocephalus, 489-com
Continuous monitoring of brain tissue oxygen pressure in patients with severe head injury during moderate hypothermia, 393-com
Single-payer health care what it means to the doctor and the patient, 323-ed
Chen Y. *See* Zhang X
Cheng F. *See* Fan T
Chitoku S. *See* Iwahashi H
Cho B-K. *See* Kim S-K
Chuang Y-C. *See* Lu C-H
Çirak B. *See* Inci S
Ciric I. Postoperative MRI appearance after transsphenoidal pituitary tumor resection, 598-com
Cohen AR. Neuronavigation and surgical neurology: The beginning of a new age or the end of an old age?, 8-com
Cole HO. Reconstruction of the temporalis muscle for pterional and cranio-orbital craniotomies, 529-com
Costa BS. *See* de Sousa AA
Cusick JF. Percutaneous transpedicular biopsy of thoracic and lumbar vertebrae—method and diagnostic validity, 551-com

D

Dantas R. *See* de Sousa AA
de Cardoso C. *See* de Sousa AA
de Oliveiro E. The surgical anatomy of the perforating branches of the anterior choroidal artery, 30-com
de Sousa AA, Luiz F, Dantas R, Teles G, de Cardoso C, Costa SC. Distal anterior cerebral artery aneurysms, 128
Debrun G
A case of posterior cerebral artery aneurysm associated with idiopathic bilateral internal carotid artery occlusion: Case report, 622-com
A dural arteriovenous fistula of the tentorium successfully treated by intravascular embolization, 294-com
An adult case of recurrent arteriovenous malformation after "complete" surgical excision: A case report, 156-com
Antegrade recanalization of completely embolized internal carotid artery after treatment of a giant intracavernous aneurysm: A case report, 616-com
Applications of three-dimensional CT angiography (3D-CTA) to cerebral aneurysms, 113-com
Brachial plexus and supraclavicular nerve injury caused by manual carotid compression for spontaneous carotid-cavernous sinus fistula, 306-com
Dural waisting as a sign of subarachnoid extension of cavernous carotid aneurysms: A follow-up case report, 609-com
Preoperative embolization of meningiomas with pial supply: Successful treatment of two cases, 270-com
Spinal cord arteriovenous fistulas involving the conus medullaris: Presentation management and embryologic considerations, 99-com
Spontaneous resolution of bilateral traumatic carotid cavernous fistulas and development of trans-sellar intercarotid vascular communication: Case report, 629-com
Treatment of carotid-cavernous sinus fistulas retrograde via the superior ophthalmic vein (SOV), 286-com
Two-step presurgical endovascular treatment of five arteriovenous malformations partially fed by single vessels en passage, 160-com
Delfini R. Subcranial fronto-orbito-nasal approach for ethmoidal cancers surgical techniques and results, 508-com
Derang J, Ying H, Long Y, Reifa S, Qiming W, Yimu F, Guoxiang S, Shimin C, Lihua X, Shi W, Zunhua C. Treatment of carotid-cavernous sinus fistulas retrograde via the superior ophthalmic vein (SOV), 286
Detwiler PW. Intraoperative microdoppler monitoring for spinal dural arteriovenous fistulae, 472-com
Devaux B. *See* Roux FX
Dohi K. *See* Mizushima H
Dohrmann GJ. *See* Sano K
Dolenc VV
Cavernous hemangiomas in the cavernous sinus: Case reports, 478-com
See Shaffrey ME
Donati PA. *See* Gangemi M
Dowd CF, Debrun G. Appications of three-dimensional CT angiography (3D-CTA) to cerebral aneurysms, 113-com
Drake JM. Endoscopic stereotactic surgery for intraventricular loculated empyema: Case report, 412-com
D'Urso PS, Thompson RG, Atkinson RL, Weidmann MJ, Redmond MJ, Hall BI, Jeavons SJ, Benson MD, Earwaker WJS. Cerebrovascular biomodelling: A technical note, 490

E

Earwaker WJS. *See* D'Urso PS
Ebara S. *See* Ashizawa R
Ebraheim NA. *See* Gu Y
El Khamlichi A. An unusual cause of depressed skull fracture: Case report, 640-com
El-Khqmlichi A. Diagnostic efficacy of stereotactic biopsies in intracranial tuberculomas, 252-com
Engelhard HH III
  The Gliomas, 109-br
  The Practical Management of Low-Grade Primary Brain Tumors, 434-br
  Your Future Self: A Journey to the Frontiers of Molecular Medicine, 434-br
Epstein NE. Circumferential cervical surgery for spondylostenosis with kyphosis in two patients with athetoid cerebral palsy, 339
Epstein NE, Hollingsworth R. Anterior cervical microdural repair of cerebrospinal fluid fistula after surgery for ossification of the posterior longitudinal ligament: Technical note, 511
Eraksoy H. *See* Barlas O
Erkan K. *See* Barlas O
Ertürk Ü. *See* Yavuzgil O
Eule JM, Breeze R, Kindt GW. Bilateral partial laminectomy: A treatment for lumbar spinal stenosis and midline disc herniation, 329
Ezura M. *See* Numagami Y

F

Fabi RA
  A technique for rigid fixation of methyl methacrylate cranioplasty: The vault-locking method, 310-com
  Brain tumor surgery in geriatric patients: A critical analysis in 44 patients over 80 years, 259-com
  Examination of the safety and efficacy of an absorbable dura mater substitute (Dura Patch®) in normal applications in neurosurgery, 418-com
  Metastatic adenocarcinoma to the brain mimicking hemorrhage: Case report, 49-com
  Non-traumatic acute paraplegia associated with cervical disc herniation: A case report, 204-com
  Reconstruction of the temporalis muscle for pterional and cranio-orbital craniotomies, 529-com
Fan T, Wang C-C, Wang F-M, Cheng F, Qiaom H, Liu S-L, Guo W, Xiang F-Y. Experimental study of the protection of ischemic preconditioning to spinal cord ischemia, 299
Fang H-Y. *See* Lin T-S
Fei Z. *See* Zhang X
Fernandez E. Hypertrophic inflammatory neuropathy involving bilateral brachial plexus, 464-com
Fernandez E, Pallini R, Lauretti L, Romani R, Palma P, Papacci F, Scogna A. Neurosurgery of the peripheral nervous system: Entrapment syndromes of the lower extremity, 449
Fernández-Portales I, Cabezudo JM, Lorenzana L, Gómez L, Porras L, Rodríguez JA. Traumatic aneurysm of the superficial temporal artery as a complication of pin-type head-holder device. Case report, 400
Flamm ES. *See* Hurst RW
Flickinger JC. *See* Muthukumar N
Flitsch J, Knappe UJ, Lüdecke DK. Direct intraoperative micromethod for hormone measurements of pituitary tissue in Cushing's disease, 585
Foroohar M. Surgery and long-term outcome for ruptured anterior circulation aneurysms in patients in their ninth decade of life, 123-com
Foschini MP. *See* Stumpo M
Freitag H-J. *See* Groden C
Fuji T. *See* Iwahashi H
Fujimoto M. *See* Hino A
Fujioka S. *See* Hamada J
Fujita S. *See* Hosoda K
Fukami M. *See* Matsumoto T
Fukui M. *See* Ishibashi H

G

Gaikwad S. *See* Sarkar C
Gangemi M, Maiuri F, Donati PA, Signorelli F, Basile D. Endoscopic surgery for monoventricular hydrocephalus, 246
Gao Z-X. *See* Yang S-Y
Gebarski SS. *See* Harrigan MR
Gennarelli TA. Determination and clinical significance of plasma levels of prostaglandins in patients with acute brain injury, 238-com
George B. Vasospasm after cranial base tumor resection: Pathogenesis diagnosis and therapy, 583-com
Gibbons KJ, Hicks WL, Guterman LR. A technique for rigid fixation of methyl methacrylate cranioplasty: The vault-locking method, 310
Gibo H. *See* Marinkovic S
Gilsbach J. *See* Schreckenberger M
Ginsburg LE. Metastatic adenocarcinoma to the brain mimicking hemorrhage: Case report, 49-com
Goldfarb RP. Brain tumor surgery in geriatric patients: A critical analysis in 44 patients over 80 years, 259-com
Gómez L. *See* Fernández-Portales I
Gómez PA. *See* Lagares A
Goodkin R. Secondary gain influences the outcome to lumbar but not cervical surgery, 217-com
Goodman JM
  Metastatic adenocarcinoma to the brain mimicking hemorrhage: Case report, 49-com
  See Kuzma BB
Goodrich JT. Craniofacial resection of a nasoseptal chondrosarcoma: Case report and review of the literature, 265-com
Grant JA. Tethered cord syndrome in adults, 362-com
Grigoryan YA, Onopchenko CV. Persistent trigeminal neuralgia after removal of contralateral posterior cranial fossa tumor. Report of two cases, 56
Groden C, Grzyska U, Freitag H-J, Westphal M, Zeumer H. Two-step presurgical endovascular treatment of five arteriovenous malformations partially fed by single vessels en passage, 160
Grubb RL Jr. Preoperative PET activation for assessment of motor cortex area in precentral chondroma, 24-com
Grzyska U. *See* Groden C
Gu Y, Xu R, Ebraheim NA, Rezcallah AT, Yeasting RA. The quantitative study of the lateral region to the lumbar pedicle, 353

Guo W. *See* Fan T
Guoxlang S. *See* Derang J
Gupta SK, Khosla VK, Sharma BS, Mathuriya SN, Pathak A, Tewari MK. Tethered cord syndrome in adults, 362
Guterman LR. *See* Gibbons KJ

H
Hall BI. *See* D'Urso PS
Hama Y. *See* Kaji T
Hamada J, Hasegawa S, Kai Y, Morioka M, Fujioka S, Ushio Y. Surgery and long-term outcome for ruptured anterior circulation aneurysms in patients in their ninth decade of life, 123
Hang C. *See* Shi J
Hardy J
  Direct intraoperative micromethod for hormone measurements of pituitary tissue in Cushing's disease, 590-com
  Neuronavigation in pituitary surgery, 649-rc
Harrigan MR, Gebarski SS, Messe SR, Blaivas M, McGillicuddy JE. Metastatic adenocarcinoma to the brain mimicking hemorrhage: Case report, 46
Hasegawa S. *See* Hamada J
Hashimoto N. *See* Kataoka H
Hassler WE. *See* Pietilä TA
Hawley RJ, Patel A, Lastinger L. Cranial nerve compression from breast cancer metastasis, 431
Hayakawa M. *See* Kato Y
Hayashi N. *See* Shibuya T
Hayashi T. *See* Sagoh M
Hegde T. *See* Mohanty A
Heimberger C. *See* Pietilä TA
Hermanns B. *See* Schreckenberger M
Heros RC. An adult case of recurrent arteriovenous malformation after "complete" surgical excision: A case report, 156-com
Hicks WL. *See* Gibbons KJ
Hino A, Fujimoto M, Iwamoto Y, Takahashi Y, Katsumori T. An adult case of recurrent arteriovenous malformation after "complete" surgical excision: A case report, 156
Hirai S. *See* Silva MN
Hirose Y. *See* Sagoh M
Hobbs GR. *See* Prabhu VC
Hoffman WE. Continuous monitoring of brain tissue oxygen pressure in patients with severe head injury during moderate hypothermia, 393-com
Hollingsworth R. *See* Epstein NE
Hong K-S. *See* Kim S-K
Horowitz M
  Late hemorrhage from persistent pseudoaneurysm in vertebral artery dissection presenting with ischemia: Case report, 483-com
  Survey on neurosurgery subspecialty fellowship training, 644-com
Horowitz MB. *See* White JA
Hoshii Y. *See* Matsumoto T
Hosoda K, Fujita S, Kawaguchi T, Shibata Y, Tamaki N. The use of external-internal shunt in the treatment of extracranial internal cartoid artery saccular aneurysms: Technical case report, 153
Houkin K. *See* Yoshimoto T
Hurst RW, Bagley LJ, Marcotte P, Schut L, Flamm ES. Spinal cord arteriovenous fistulas involving the conus medullaris: Presentation management and embryologic considerations, 95

I
Inao S. *See* Kajita Y
Inci S, Çirak B, Bertan V. An unusal fatal complication of low basilar trunk aneurysm surgery: Isolated prepontine tension pneumocephalus, 485
Isaac L. Experimental study of the protection of ischemic preconditioning to spinal cord ischemia, 299-com
Ishibashi H, Matsuno H, Nagata S, Onitsuka H, Fukui M. Posterior fossa chondroma arising from the tentorium: A case report, 604
Ishikawa T. *See* Yoshimoto T
Işlekel S. *See* Yavuzgil O
Iwahashi H, Kawai S, Watabe Y, Chitoku S, Akita N, Fuji T, Oda T. Spinal intramedullary ependymal cyst: A case report, 357
Iwai Y, Yamanaka K, Yasui T, Komiyama M, Nishikawa M, Nakajima H, Kishi H. Gamma knife surgery for skull base meningiomas. The effectiveness of low-dose treatment, 40
  See Nakajima H
Iwamoto Y. *See* Hino A
Iwasaki Y. *See* Kaji T

J
Jayakumar PN. *See* Chandra PS
Jeavons SJ. *See* D'Urso PS
Jemel H. *See* Khouja N

K
Kaba K. *See* Matsumoto T
Kai Y. *See* Hamada J
Kaji T, Hama Y, Iwasaki Y, Kyoto Y, Kusano S. Preoperative embolization of meningiomas with pial supply: Successful treatment of two cases, 270
Kajita Y, Miyachi S, Wakabayashi T, Inao S, Yoshida J. A dural arteriovenous fistula of the tentorium successfully treated by intravascular embolization, 294
Kalbarczyk A, Krauss JK, Seiler RW. Endoscopic stereotactic surgery for intraventricular loculated empyema: Case report, 412
Kamimura M. *See* Ashizawa R
Kanaoka N. *See* Kato Y
Kanno T. *See* Kato Y
Kanphade MM. *See* Bharucha NE
Kanpolat Y
  Medically treated intraspinal *Brucella* granuloma, 576-com
  Stereotactic surgery in the management of brain abscess, 404-com
  See Sano K
Kaptain GJ, Shaffrey CI, Alden TD, Young JN, Laws ER, Whitehill R. Secondary gain influences the outcome to lumbar but not cervical surgery, 217
Karasawa J. *See* Okuno S
Katada K. *See* Kato Y

Kataoka H, Miyamoto S, Nagata I, Ueno Y, Hashimoto N. Intraoperative microdoppler monitoring for spinal dural arteriovenous fistulae, 466
Katayama M. *See* Sagoh M
Kato Y, Sano H, Katada K, Ogura Y, Hayakawa M, Kanaoka N, Kanno T. Applications of three-dimensional CT angiography (3D-CTA) to cerebral aneurysms, 113
Katsumori T. *See* Hino A
Kaufman HH. *See* Prabhu VC
Kaufman JK, Pritz MB, Righi PD, Bizal JC. Craniofacial resection of a nasoseptal chondrosarcoma: Case report and review of the literature, 265
Kawaguchi T. *See* Hosoda K
Kawai S. *See* Iwahashi H
Kazuo H. *See* Mizushima H
Kchir N. *See* Khouja N
Keles GE, Anderson B, Berger MS. The effect of extent of resection on time to tumor progression and survival in patients with glioblastoma multiforme of the cerebral hemisphere, 371
Kelly PJ. Neuronavigation and surgical neurology: The beginning of a new age or the end of an old age?, 11-com
Kessler LA. In a high tech age is clinical judgment a lost art form?, 22
Khaldi M. *See* Khouja N
Khan ZH, Tabatabai SA, Saberi H. Anesthetic and surgical experience in a case of total vertical craniopagus, 62
Khosla VK. *See* Gupta SK
Khouja N, Amor SB, Jemel H, Kchir N, Boussen H, Khaldi M. Mesenchymal extraskeletal chondrosarcoma of the orbit. Report of a case and review of the literature, 50
Kim S-K, Wang K-C, Paek S-H, Hong K-S, Cho B-K. Outcomes of medical treatment of nurocysticercosis: A study of 65 cases in Cheju Island, Korea, 563
Kindt GW. *See* Eule JM
Kishi H. *See* Iwai Y; Nakajima H
Klekamp J, Samii M. Surgical results for spinal meningiomas, 552
Knappe UJ. *See* Flitsch J
Knoller N. *See* Rigamonti D
Kobayashi N. *See* Mizushima H
Kolchinsky A
  First gene involved in glioblastoma progression identified, 19
  Genetics of stroke rats, 17
  Search for Alzheimer's disease genes yields new candidates, 21
Kolluri VRS. *See* Mohanty A
Komiyama M, Nakajima H, Nishikawa M, Yasui T. Brachial plexus and supraclavicular nerve injury caused by manual carotid compression for spontaneous carotid-cavernous sinus fistula, 306
  See Iwai Y
Kondoh T. *See* Ueyama T
Kondziolka D. *See* Muthukumar N
Kopitnik TA. New simicircular clip for internal carotid artery aneurysms. Technical note, 150-com
Krauss JK. *See* Kalbarczyk A
Krombach G. *See* Schreckenberger M
Kumabe T. *See* Umezawa K
Kusano S. *See* Kaji T
Kuzma BB, Goodman JM
  Corpus callosum infarction, 210
  Sudden headache with pituitary infarction, 532
Kyoto Y. *See* Kaji T

L

Lacau Saint-Guily J. *See* Roux FX
Laccourreye O. *See* Roux FX
Lagares A, Gómez PA, Lobato RD, Alén JF, Campollo J, Benito-León J. Cerebral aneurysm rupture after r-TPA thrombolysis for acute myocardial infarction, 623
Lang JK, Ludwig HC, Mursch K, Zimmerer B, Markakis E. Elevated cerebral perfusion pressure and low colloid osmotic pressure as a risk factor for subdural space-occupying hygromas?, 630
Lanzino G. *See* Shaffrey ME
Lastinger L. *See* Hawley RJ
Lauretti L. *See* Fernandez E
Laws ER. *See* Kaptain GJ
Lee KC. Distal anterior cerebral artery aneurysms, 128-com
Lee TT, Klose JL. Survey on neurosurgery subspecialty fellowship training, 641
Levine Z. Gram-negative bacillary meningitis in adult post-neurosurgical patients, 443-com
Levy ML. *See* Amar AP
Liem L. *See* Rigamonti D
Lihua X. *See* Derang J
Lin G-Y. Transthoracic endoscopic sympathectomy in the treatment of Palmar hyperhidrosis—with emphasis on perioperative management (1,360 case analyses), 457-com
Lin T-S, Fang H-Y. Transthoracic endoscopic sympathectomy in the treatment of Palmar hyperhidrosis—with emphasis on perioperative management (1,360 case analyses), 453
Liu C. *See* Shi J
Liu S-L. *See* Fan T
Liu W. *See* Zhang X
Loftman B. Patient-controlled health care, 432
Long Y. *See* Derang J
Lorenzana L. *See* Fernández-Portales I
Lu C-H, Chang W-N, Chuang Y-C, Chang H-W. Gram-negative bacillary meningitis in adult post-neurosurgical patients, 438
Lüdecke DK. *See* Abe T; Flitsch J
Ludwig HC. *See* Lang JK
Luiz F. *See* de Sousa AA
Lunsford LD. *See* Muthukumar N

M

Maiuri F. *See* Gangemi M
Maldonado VC. Anterior cervical fusion and trapezoidal plate stabilization for re-do surgery, 345-com
Malis LI. Arachnoid membrane closure. Prevention of postoperative cerebrospinal fluid leakage, 71-com
Manjari T. *See* Chandra PS
Manwaring KH. Endoscopic surgery for monoventricular hydrocephalus, 246-com
Marcotte P. *See* Hurst RW

Marinkovic S, Gibo H, Brigante L, Nikodijevic I, Petrovic P. The surgical anatomy of the perforating branches of the anterior choroidal artery, 30
Markakis E. *See* Lang JK
Martinelli P. *See* Stumpo M
Mascaro S. *See* Prabhu VC
Mathuriya SN. *See* Gupta SK
Matsumoto K. *See* Mizushima H
Matsumoto T, Tani E, Fukami M, Kaba K, Yokota M, Hoshii Y. Amyloidoma in the gasserian ganglion: Case report, 600
Matsuno H. *See* Ishibashi H
Matz M. Secondary gain influences the outcome to lumbar but not cervical surgery, 217-com
McCormick PC. Surgical results for spinal meningiomas, 562-com
McGillcuddy JE. *See* Harrigan MR
Meço O. *See* Bingöl A
Mego R. *See* Rafael H
Melatini A. *See* Skrap M
Messe SR. *See* Harrigan MR
Meyer P. *See* Schreckenberger M
Misra M. Neuronavigation and surgical neurology: The beginning of a new age or the end of an old age?, 9-com
Missori P. *See* Cantore G
Miyachi S. *See* Kajita Y
Miyamoto H. *See* Ueyama T
Miyamoto S. *See* Kataoka H
Mizushima H, Kobayashi N, Yoshiharu S, Kazuo H, Dohi K, Sasaki K, Matsumoto K. Aneurysm of the distal anterior inferior cerebellar artery at the medial branch: A case report and review of the literature, 137
Mohanty A, Santosh V, Anandh B, Kolluri VRS, Vasudev MK, Hegde T, Shankar SK. Diagnostic efficacy of stereotactic biopsies in intracranial tuberculomas, 252
Morioka M. *See* Hamada J
Moussa R. *See* Roux FX
Moutaery KA. *See* Ansari S
Murakami H. *See* Sagoh M
Mursch K. *See* Lang JK
Muthukumar N, Kondziolka D, Lunsford LD, Flickinger JC. Stereotactic radiosurgery for jugular foramen schwannomas, 172

N

Nagasawa S, Sakaguchi I, Ohta T. The posterior temporal artery as the recipient in superficial temporal artery to posterior cerebral artery bypass. Technical note, 73
Nagashima T. *See* Ueyama T
Nagata I. *See* Kataoka H
Nagata S. *See* Ishibashi H
Nakajima H. *See* Iwai Y
Nakajima H, Iwai Y, Yamanaka K, Kishi H. Successful treatment of brainstem abscess with stereotactic aspiration, 445
Nataf F. *See* Roux FX
Nelson PB. Spinal epidural abscess: Contemporary trends in etiology evaluation and management, 189-com
Niewiadomska-Bugaj S. *See* Prabhu VC
Nikodijevic I. *See* Marinkovic S
Nishikawa M. *See* Iwai Y
Numagami Y, Ezura M, Takahashi A, Yoshimoto T. Antegrade recanalization of completely embolized internal carotid artery after treatment of a giant intracavernous aneurysm: A case report, 611
Numaguchi Y. *See* Rigamonti D

O

Oda T. *See* Iwahashi H
Ogawa A. *See* Suzuki M
Ogura Y. *See* Kato Y
Ohnishi H. *See* Okuno S
Ohta T. *See* Nagasawa S
Ohtsuka K. *See* Ashizawa R
Okuno S, Touho H, Ohnishi H, Karasawa J. Falx meningioma presenting as acute subdural hematoma: Case report, 180
Onitsuka H. *See* Ishibashi H
Onopchenko CV. *See* Grigoryan YA
Origitano TC
  Unusual cranial nerve palsy caused by cavernous sinus aneurysms. Clinical and anatomical considerations reviewed, 143-com
  Orbitozygomatic approach by transposition of temporalis muscle and one-piece osteotomy, 83-com
Özerkan F. *See* Yavuzgil O

P

Paek S-H. *See* Kim S-K
Page P. *See* Roux FX
Pagni CA
  Anterior cervical fusion and trapezoidal plate stabilization for re-do surgery, 345-com
  Spinal epidural abscess: Contemporay trends in etiology evaluation and management, 189-com
Pallini R. *See* Fernandez E
Palma P. *See* Fernandez E
Pan Y. *See* Shi J
Pang D. Tethered cord syndrome in adults, 362-com
Panigrahi M, Reddy AK. Techniques for treating paraclinoid aneurysms, 325
Papacci F. *See* Fernandez E
Parkinson D
  Autopsies, 103-ed
  AVMs and neurofibromatosis, 325
Patel A. *See* Hawley RJ
Pathak A. *See* Gupta SK
Patterson RH Jr. Surgical results for spinal meningiomas, 562-com
Pawl RP
  Bilateral partial laminectomy: A treatment for lumbar spinal stenosis and midline disc herniation, 329-com
  Rothman-Simeone: The Spine (4th ed.), 109-br
  Secondary gain influences the outcome to lumbar but not cervical surgery, 217-com
  Spine Surgery: Techniques, Complication Avoidance, and Management (1st ed), 109-br
  The Thoracic Spine, 110-br
Petrovic P. *See* Marinkovic S

Pietilä TA, Stendel R, Hassler WE, Heimberger C, Ramsbacher J, Brock M. Brain tumor surgery in geriatric patients: A critical analysis in 44 patients over 80 years, 259
Pitzen T. *See* Caspar W
Polley JW. Subcranial fronto-orbito-nasal approach for ethmoidal cancers. Surgical techniques and results, 509-com
Poppi M. *See* Stumpo M
Porras L. *See* Fernández-Portales I
Porter RW. Intraoperative microdoppler monitoring for spinal dural arteriovenous fistulae, 472-com
Post KD. Direct intraoperative micromethod for hormone measurements of pituitary tissue in Cushing's disease, 590-com
Prabhu VC, Kaufman HH, Voelker JL, Aronoff SC, Niewiadomska-Bugaj M, Mascaro S, Hobbs GR. Prophylactic antibiotics with intracranial pressure monitors and external ventricular drains: A review of the evidence, 226
Pritz MB. *See* Kaufman JK

Q

Qiao H. *See* Fan T
Qiming W. *See* Derang J

R

Rafael H, Mego R. Omental transposition, 539-rc
Rajaraman V, Schulder M. Postoperative MRI appearance after transsphenoidal pituitary tumor resection, 592
Ramanurthi B. Outcomes of medical treatment of nurocysticercosis: A study of 65 cases in Cheju Island, Korea, 569-com
Ramsbacher J. *See* Pietilä TA
Reddy AK. *See* Panigrahi M
Redmond MJ. *See* D'Urso PS
Reifa S. *See* Derang J
Rezcallah AT. *See* Gu Y
Rigamonti D, Liem L, Sampath P, Knoller N, Numaguchi Y, Schreibman DL, Sloan MA, Wolf A, Zeidman S. Spinal epidural abscess: Contemporary trends in etiology evaluation and management, 189
Righi PD. *See* Kaufman JK
Rodríguez JA. *See* Fernández-Portales I
Roitberg B. Cell transplantation in the central nervous system, 13
Romani R. *See* Fernandez E
Rosenburg RN. Coexistence of intracranial arteriovenous malformation with Turcot's syndrome: A case report, 397-com
Roux FX, Moussa R, Devaux B, Nataf F, Page P, Laccourreye O, Schawaab G, Brasnu D, Lacau Saint-Guily J. Subcranial fronto-orbito-nasal approach for ethmoidal cancers. Surgical techniques and results, 501

S

Saberi H. *See* Khan ZH
Sabri O. *See* Schreckenberger M
Sadasivan B. Survey on neurosurgery subspecialty fellowship training, 644-com
Saeki N. *See* Silva MN
Sagoh M, Hirose Y, Murakami H, Akaji K, Katayama M, Hayashi T. Late hemorrhage from persistent pseudoaneurysm in vertebral artery dissection presentiong with ischemia: Case report, 480
Sakaguchi I. *See* Nagasawa S
Sambasivan M. Diagnostic efficacy of stereotactic biopsies in intracranial tuberculomas, 252-com
Samii M
  Anesthetic and surgical experience in a case of total vertical craniopagus, 66-com
  Stereotactic radiosurgery for jugular foramen schwannomas, 172-com
  See Klekamp J
Sampath P. *See* Rigamonti D
Samson D
  Late hemorrhage from persistent pseudoaneurysm in vertebral artery dissection presenting with ischemia: Case report, 483-com
  New simicircular clip for internal carotid artery aneurysms. Technical note, 150-com
  See White JA
Sano H. *See* Kato Y
Sano K, White RJ, Kanpolat Y, Ali Raja I, Dohrmann GJ. Major neurosurgical discoveries in the last 20 years, 3
Santoro A. *See* Cantore G
Santosh V. *See* Mohanty A
Sarkar C, Sharma MC, Gaikwad S, Sharma C, Singh VP. Choroid plexus papilloma: A clinicopathological study of 23 cases, 37
Sasaki K. *See* Mizushima H
Schreckenberger M, Spetzger U, Sabri O, Meyer P, Schulz G, Hermanns B, Krombach G, Gilsbach J, Buell U. Preoperative PET activation for assessment of motor cortex area in precentral chondroma, 24
Schreibman DL. *See* Rigamonti D
Schulder M. *See* Rajaraman V
Schulz G. *See* Schreckenberger M
Schut L. *See* Hurst RW
Schwaab G. *See* Roux FX
Scogna A. *See* Fernandez E
Seiler RW. *See* Kalbarczyk A
Sekhar LN
  Craniofacial resection of a nasoseptal chondrosarcoma: Case report and review of the literature, 265-com
  Gamma knife surgery for skull base meningiomas. The effectiveness of low-dose treatment, 44-com
  Gram-negative bacillary meningitis in adult post-neurosurgical patients, 443-com
  Subcranial fronto-orbito-nasal approach for ethmoidal cancers. Surgical techniques and results, 509-com
  See Bejjani GK
Sen C. Vasospasm after cranial base tumor resection: Pathogenesis, diagnosis, and therapy, 583-com
Sencer A. *See* Barlas O
Sencer S. *See* Barlas O
Sengupta RP. Distal anterior cerebral artery aneurysms, 128-com
Shaffrey CI. *See* Kaptain GJ; Shaffrey ME

Shaffrey ME, Dolenc VV, Lanzino LW, Wolcott WP, Shaffrey CI. Invasion of the internal carotid artery by cavernous sinus meningiomas, 167
Shankar SK. *See* Chandra PS; Mohanty A
Shapiro WR. The effect of extent of resection on time to tumor progression and survival in patients with glioblastoma multiforme of the cerebral hemisphere, 371-com
Sharma BS. *See* Gupta SK
Sharma C. *See* Sarkar C
Sharma MC. *See* Sarkar C
Shi J, Wang H, Hang C, Pan Y, Liu C, Zhang Z. Cavernous hemangiomas in the cavernous sinus: Case reports, 473
Shi W. *See* Derang J
Shibata Y. *See* Hosoda K
Shibuya T, Hayashi N. A case of posterior cerebral artery aneurysm associated with idiopathic bilateral internal carotid artery occlusion: Case report, 617
Shigeno T, Tanaka J, Atsuchi M. Orbitozygomatic approach by transposition of temporalis muscle and one-piece osteotomy, 81
Shimin C. *See* Derang J
Shirane R. *See* Umezawa K
Signorelli F. *See* Gangemi M
Silva MN, Saeki N, Hirai S, Yamaura A. Unusual cranial nerve palsy caused by cavernous sinus aneurysms. Clinical and anatomical considerations reviewed, 143
Sindou M
A new technique for the assessment of the draining area of a cerebral vein, 80-com
Persistent trigeminal neuralgia after removal of contralateral posterior cranial fossa tumor. Report of two cases, 60-com
Singh VP. *See* Sarkar C
Skrap M, Melatini A, Strukelj S. The stereotactic volumetric information: Its role in two-step resection of brainstem and thalamic giant tumor: Report of three cases and technical note, 515
Sloan MA. *See* Rigamonti D
Solomon RA. Surgery and long-term outcome for ruptured anterior circulation aneurysms in patients in their ninth decade of life, 123-com
Sotelo J. Gram-negative bacillary meningitis in adult post-neurosurgical patients, 443-com
Sotelo J. Outcomes of medical treatment of nurocysticercosis: A study of 65 cases in Cheju Island, Korea, 569-com
Spetzger U. *See* Schreckenberger M
Spetzler RF. Intraoperative microdoppler monitoring for spinal dural arteriovenous fistulae, 472-com
Stehbens WE. Relationship of cerebral aneurysms and medial raphes, 536-rc
Stendel R. *See* Pietilä TA
Strukelj S. *See* Skrap M
Stumpo M, Foschini MP, Poppi M, Cenacchi G, Martinelli P. Hypertrophic inflammatory neuropathy involving bilateral brachial plexus, 458
Suzuki M, Ogawa A. New simicircular clip for internal carotid artery aneurysms. Technical note, 150
Sweeney PJ. Gamma knife surgery for skull base meningiomas. The effectiveness of low-dose treatment, 44-com
Sypert GW
Anterior cervical fusion and trapezoidal plate stabilization for re-do surgery, 345-com
Anterior cervical micro-dural repair of cerebrospinal fluid fistula after surgery for ossification of the posterior longitudinal ligament: Technical note, 514-com
Bilateral partial laminectomy: A treatment for lumbar spinal stenosis and midline disc herniation, 329-com
Circumferential cervical surgery for spondylostenosis with kyphosis in two patients with athetoid cerebral palsy, 339-com
The quantitative study of the lateral region to the lumbar pedicle, 353-com

T

Tabatabai SA. *See* Khan ZH
Taha S, Bintner M, Allaoui M, Leriche B. PICA aneurysms and posterior fossa AVMs, 650-rc
Takahashi A. *See* Numagami Y
Takahashi Y. *See* Hino A
Takaoka K. *See* Ashizawa R
Talacchi A, Spinnato S, Alessandrini F, Iuzzolino P, Bricolo A. Radiologic and surgical aspects of pure spinal epidural cavernous angiomas. Report of 5 cases and review of the literature, 198
Tamaki N. *See* Hosoda K; Ueyama T
Tanaka J. *See* Shigeno T
Tani E. *See* Matsumoto T
Tauber M. Unusual cranial nerve palsy caused by cavernous sinus aneurysms. Clinical and anatomical considerations reviewed, 143-com
Teasdale GM. Prophylactic antibiotics with intracranial pressure monitors and external ventricular drains: A review of the evidence, 226-com
Teles G. *See* de Sousa AA
TerBrugge K. *See* Alkhani A
Tewari MK. *See* Gupta SK
Thompson RG. *See* D'Urso PS
Tiel R. Hypertrophic inflammatory neuropathy involving bilateral brachial plexus, 465-com
Touho H
End-to-end anastomosis of the posterior inferior cerebellar artery before excision of a meningioma involving the lower clivus and the foramen magnum: Case report, 185
See Okuno S

U

Ueno Y. *See* Kataoka H
Ueyama T, Tamaki N, Kondoh T, Miyamoto H, Akiyama H, Nagashima T. Non-traumatic acute paraplegia associated with cervical disc herniation: A case report, 204
Umezawa K, Kumabe T, Shirane R, Yoshimoto T. Coexistence of intracranial arteriovenous malformation with Turcot's syndrome: A case report, 397
Ushio Y. *See* Hamada J

V

Vacca DF. Prophylactic antibiotics with intracranial pressure monitors and external ventricular drains: A review of the evidence, 226-com
Van Gilder JC
  Medically treated intraspinal *Brucella* granuloma, 576-com
  Mucocele-like formation leading to neurological symptoms in prolactin-secreting pituitary adenomas under dopamine agonist therapy, 274-com
  Postoperative MRI appearance after transsphenoidal pituitary tumor resection, 598-com
van Loveren HR. Unusual cranial nerve palsy caused by cavernous sinus aneurysms. Clinical and anatomical considerations reviewed, 143-com
Van Overbeeke JJ. *See* Bartels RHMA
Vasudev MK. *See* Mohanty A
Voelker JL. *See* Prabhu VC
von Wild KRH. Examination of the safety and efficacy of an absorbable dura mater substitute (Dura Patch®) in normal applications in neurosurgery, 418

W

Wagner FC Jr. Circumferential cervical surgery for spondylostenosis with kyphosis in two patients with athetoid cerebral palsy, 339-com
Wakabayashi T. *See* Kajita Y
Wang C. The stereotactic volumetric information: Its role in two-step resection of brainstem and thalamic giant tumor: Report of three cases and technical note, 523-com
Wang C-C. *See* Fan T
Wang F-M. *See* Fan T
Wang H. *See* Shi J
Wang K-C. *See* Kim S-K
Warnke PC. Neuronavigation and surgical neurology: The beginning of a new age or the end of an old age?, 7
Watabe Y. *See* Iwahashi H
Weidmann MJ. *See* D'Urso PS
Weir B. Surgery and long-term outcome for ruptured anterior circulation aneurysms in patients in their ninth decade of life, 123-com
Weiss MH. *See* Amar AP
Wessling P. *See* Bartels RHMA
Westphal M. *See* Groden C
White JA, Horowitz MB, Samson D. Dural waisting as a sign of subarachnoid extension of cavernous carotid aneurysms: A follow-up case report, 607
White RL. *See* Sano K
Whitehill R. *See* Kaptain GJ
Wilkins RH. An adult case of recurrent arteriovenous malformation after "complete" surgical excision: A case report, 156-com
Willinsky R. *See* Alkhani A
Wolcott WP. *See* Shaffrey ME
Wolf A. *See* Rigamonti D
Wright DC. *See* Bejjani GK

X

Xiang F-Y. *See* Fan T
Xu R. *See* Gu Y

Y

Yamanaka K. *See* Iwai Y; Nakajima H
Yamaura A. *See* Silva MN
Yang S-Y, Gao Z-X. Determination and clinical significance of plasma levels of prostaglandins in patients with acute brain injury, 238
Yasui T. *See* Iwai Y
Yavuzgil O, Özerkan F, Ertürk Ü, Işlekel S, Atay Y, Buket S. A rare cause of right atrial mass: Thrombus formation and infection complicating a ventriculoatrial shunt for hydrocephalus, 54
Yeasting RA. *See* Gu Y
Yimu F. *See* Derang J
Ying H. *See* Derang J
Yokota M. *See* Matsumoto T
Yoshida J. *See* Kajita Y
Yoshiharu S. *See* Mizushima H
Yoshimoto T
  Applications of three-dimensional CT angiography (3D-CTA) to cerebral aneurysms, 113-com
  Distal anterior cerebral artery aneurysms, 128-com
  See Numagami Y; Umezawa K
Yoshimoto T, Houkin K, Ishikawa T, Abe H. Arachnoid membrane closure. Prevention of postoperative cerebrospinal fluid leakage, 68
Yost A-M. *See* Bejjani GK
Young HF. Elevated cerebral perfusion pressure and low colloid osmotic pressure as a risk factor for subdural space-occupying hygromas?, 637-com
Young JN. *See* Kaptain GJ
Yücemen N. *See* Bingöl A

Z

Zeidman S. *See* Rigamonti D
Zeumer H. *See* Groden C
Zhang J. *See* Zhang X
Zhang S. *See* Zhi DS
Zhang X, Fei Z, Znhang J, Fu L, Zhang Z, Liu W, Chen Y. Management of nonfunctioning pituitary adenomas with suprasellar extensions by transsphenoidal microsurgery, 380
Zhang Z. *See* Shi J; Zhang X
Zhao M. Cerebrovascular biomodelling: A techinical note, 500-com
Zhi DS, Zhang S, Zhou LG. Continuous monitoring of brain tissue oxygen pressure in patients with severe head injury during moderate hypothermia, 393
Zhou LG. *See* Zhi DS
Zimmerer B. *See* Lang JK
Zuhhua C. *See* Derang J

ELSEVIER

SUBJECT INDEX

A

Adenocarcinoma, esophageal, metastatic to brain, mimicking hemorrhage, 46
Adenomatous polyposis, coexistence of intracranial arteriovenous malformation, 397
Adrenocorticotropic hormone, measurements, pituitary tissue in Cushing's disease, 585
Albendazole, treatment of active neurocysticercosis, Korea, 563
Alzheimer's disease, search for genes in, 21
Amyloidoma, central nervous system, Gasserian ganglion, 600
Anastomosis
  cerebellar artery, before excision of lower clivus foramen magnum meningioma, 185
  extracranial internal carotid artery aneurysms, shunt use in, 153
  STA-PCA, 73
Anesthesia, experience, total vertical craniopagus, 62
Angiography
  cerebral, recurrent arteriovenous malformation, adult, 156
  3D-CT, cerebral aneurysm, 113
  dural waisting, sign of cavernous carotid aneurysm, 607
Angioplasty, vasospasm after tumor resection, cranial base, 577
Antibiotics, prophylactic, with intracranial pressure monitors and ventricular drains, 226
Arachnoiditis, spinal meningiomas, surgical results for, 552
Arachnoid membrane, closure, postoperative CSF leakage, 68
Arteriovenous fistula
  spinal cord, involving conus medularis, 95
  spinal dural, intraoperative microdoppler monitoring, 466
  tentorial dural, treated by intravascular embolization, 294
Arteriovenous malformations
  cerebrovascular biomodelling, 490
  intracranial, coexistence with Turcot's syndrome, 397
  neurofibromatosis and, 324-le
  posterior fossa, PICA aneurysms and, 650-le
  recurrent, after surgical excision, adult, 156
  vessel en salvage in, presurgical endovascular treatment, 160
Autopsies, 103-ed

B

Biomodelling, cerebrovascular, 490
Biopsy
  percutaneous transpedicular, thoracic and lumbar vertebrae, 545
  stereotaxic, intracranial tuberculoma, 253
BOOK REVIEWS
  Acoustic Neuroma, 434
  Atlas of Neurosurgery, 434
  The Brain Atlas: A Visual Guide to the Human Central Nervous System, 110
  The Gliomas, 109
  The Practical Management of Low-Grade Primary Brain Tumors, 434
  Rothman-Simeone: The Spine, 4th Ed., 109
  Spine Surgery: Techniques, Complication Avoidance, and Management, 109
  The Thoracic Spine, 110
  Your Future Self: A Journey to the Frontiers of Molecular Medicine, 434
Brachial plexus
  bilateral, hypertrophic inflammatory neuropathy in, 458
  injury, manual carotid compression for carotid-cavernous sinus fistula, 306
Brain abscess, bacterial, stereotactic surgery for, 404
Brain damage, secondary, prostaglandin levels in acute brain injury and, 238
Brain injury
  acute
    plasma levels of prostaglandins in, 238
  traumatic, subdural space-occupying hygroma, 630
Brain neoplasm
  metastatic adenocarcinoma, mimicking hemorrhage, 46
  posterior fossa chondroma, arising from the tentorium, 604
Brain stem
  abscess, treatment with stereotactic aspiration, 445
  cavernous angiomas of, 84
  cavernous-venous malformation, 280
  tumor, two-step stereotactic resection, 515
Brain tissue, oxygen pressure, monitoring, severe head injury patients, 393
Brain tumor, surgery, geriatric patients, 259
Breast cancer, metastasis, cranial nerve compression from, 431-le
Brucella granuloma, intraspinal, 570
Bypass surgery, cerebral artery, superficial temporal artery to, 73

C

Carotid artery
  antegrade recanalization, after giant intracavernous aneurysm, 611
  cavernous, dural waisting as sign of, 607
  extracranial internal, saccular aneurysms, external-internal shunt in, 153

0090-3019/99/$–see front matter
SSDI 0090-3019

© 1999 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

internal
aneurysms, semicircular clip for, 150
invasion by cavernous sinus meningiomas, 167
intracavernous internal aneurysm, cranial nerve palsy caused by, 143
manual compression, for spontaneous carotid-cavernous fistula, 306
Carotid-cavernous sinus, fistula
bilateral traumatic, spontaneous resolution, 627
manual carotid compression for, 306
treatment via superior ophthalmic vein, 286
Cavernous angioma
brain stem, 84
pure spinal epidural, radiologic and surgical aspects, 198
Cavernous sinus
aneurysms, unusual cranial nerve palsy and, 143
cavernous hemangiomas in, 473
meningiomas, invasion of internal carotid artery by, 167
Cavernous-venous malformation, brain stem, 280
Cell transplantation, in the CNS, 13
Central nervous system
amyloidoma, Gasserian ganglion, 600
cell transplantation in, 13
Cerebellar artery
anterior inferior, aneurysm at medial branch, 137
posterior inferior
anastomosis, before excision of meningioma, 185
fossa, AVMs, 650-le
Cerebral aneurysms
cavernous carotid, dural waisting as sign of subarachnoid extension, 607
3D CT angiography, 113
distal anterior, 128
extracranial internal carotid artery, external-internal shunt use in, 153
giant intracavernous, antegrade recanalization after treatment, 611
internal carotid artery, semicircular clip for, 150
medial raphes relations, 536-le
peripheral, 137
posterior artery, idiopathic bilateral internal carotid artery occlusion, 617
ruptured, surgery and long-term care, ninth decade of life, 123
Cerebral artery
anterior choroidal, branches, surgical anatomy, 30
distant anterior aneurysms, surgery, 128
Cerebral palsy, athetoid, spondylostenosis with, circumferential surgery for, 339
Cerebral perfusion pressure, elevated, risk factor for subdural space-occupying hygroma, 630
Cerebral vein, draining area of, 78
Cerebrospinal fluid (CSF)
fistula, anterior cervical micro-dural repair of, 511
postoperative leakage, arachnoid membrane closure, 68
Cervical spine
anterior fusion, trapezoidal plate stabilization and, re-do surgery, 329345
disc herniation, nontraumatic acute paraplegia associated with, 204
disc surgery, secondary gain influence on, 217
spondylostenosis, circumferential surgery for, 339
Chondroma
posterior fossa, arising from the tentorium, 604
precentral area, preoperative PET activation for assessment, 24
Chondrosarcoma
mesenchymal extraskeletal, orbit, 50
nasoseptal, craniofacial resection of, 265
Choroidal artery, anterior, branches, surgical anatomy, 30
Choroid plexus
monoventricular hydrocephalus, endoscopic surgery for, 246
papilloma, clinicopathological study, 37
Circulation, anterior, ruptured aneurysms, surgery and long-term outcome, 123
Clivus foramen magnum, meningioma of, anastomosis of cerebellar artery before, 185
Collateralization, vessel en salvage in AVM, presurgical endovascular treatment, 160
Colloid osmotic pressure, low, risk factor for subdural space-occupying hygroma, 630
Communicating artery, posterior, idiopathic bilateral internal carotid artery occlusion and, 617
Computed tomography
brain abscess, stereotactic surgery, 404
3D angiography, cerebral aneurysm, 113
Conus medularis, arteriovenous fistulas involving, spinal cord, 95
Corpus callosum, infarction, imaging, 210
Cranial base
meningioma, gamma knife radiosurgery for, 40
tumor, resection, vasospasm after, 577
Cranial fossa
contralateral posterior, trigeminal neuralgia after removal, 56
tumor, contralateral, persistent trigeminal neuralgia after, 56
Cranial nerve
compression, breast cancer metastasis, 431-le
jugular foramen schwannomas, stereotactic radiosurgery for, 172
palsy, cavernous sinus aneurysms and, 143
Craniopagus
twins, 648-le
vertical, anesthetic and surgical experience, 62
Cranioplasty, methyl methacrylate, technique for rigid fixation of, 310
Craniotomy, cranio-orbital, reconstruction of the temporalis muscle for, 524
Creutzfeldt-Jakob disease (CJD), HIV and, transmission, dura mater substitute in neurosurgery, 418
Cushing's disease, pituitary tissue, ACTH measurement in, 585

D

3D-CTA. *see* Computed tomography, 3D angiography
Discectomy, bilateral partial laminectomy, 329
Disc herniation
cervical, nontraumatic acute paraplegia associated with, 204
midline, lumbar spinal stenosis and, laminectomy for, 329
Disc surgery, secondary gain influence on, 217

Dopamine agonist, therapy, prolactin-secreting pituitary adenomas, 274
Draining area, cerebral vein, 78
Duraplasty, absorbable dura mater substitute, normal neurosurgery applications, 418

E
Echocardiography, ventriculoatrial shunt, thrombus formation and infection as complication, 54
Editorials
  Autopsies, 103
  In a high tech age, is clinical judgment a lost art form?, 22
  Is there a limit to freedom?, 213
  Lessons from Romania, 534
  A response from the ISUIA, 428-ed
  Single-payer health care: What it means to the doctor and the patient, 323
  What are those soldiers doing? They're holding the horses, 646
  Why Medicare is like a government-sponsored furniture store, 106
Embolization
  carotid-cavernous sinus fistula, treatment via superior ophthalmic vein, 286
  falx meningioma, presenting as acute subdural hemorrhage, 180
  intravascular, treatment of tentorial dural arteriovenous fistula, 294
  preoperative, meningiomas with pial supply, 270
Empyema, intracranial, endoscopic stereotactic surgery for, 412
Endoscopic surgery, monoventricular hydrocephalus, 246
Endoscopy
  transthoracic sympathectomy, hyperhidrosis palmaris, 453
  virtual vascular 3D-CT, cerebral aneurysm, 113
Entrapment syndromes, lower extremities, neurosurgery of the peripheral nervous system, 449
Ependymal cyst, intramedullary, spinal, 357
Epidural abscess, spinal cord, contemporary trends, 189
Epilepsy, solitary lesions and, 208
Ethmoidal cancer, subcranial fronto-orbito-nasal approach for, 501

F
Fellowship training, neurosurgery, 641
F-18-fluorodeoxyglucose, PET, preoperative, in precentral chondroma, 24

G
Gamma knife, radiosurgery, skull base meningioma, 40
Gasserian ganglion, amyloidoma in, 600
Genetics
  Alzheimer's disease, 21
  glioblastoma progression, 19
  stroke, rats, 17
Geriatrics, brain tumor surgery in, 259
Glioblastoma, progression of, first gene involved in, 19
Glioblastoma multiforme, time to tumor progression, survival and, 371
Granuloma, intraspinal *Brucella,* 570

H
Headache, sudden, pituitary infarction and, 532
Head injury
  nasogastric tube placement in, 426
  severe, during moderate hypothermia, brain tissue oxygen pressure monitoring, 393
Health care
  patient-controlled, 432-le
  single-payer, 323-ed
Hemangioma, cavernous, 473
Historical Vignette, Eric Oldberg, 100
HIV, CJD and, transmission with dura mater substitute during neurosurgery, 418
Horner's syndrome, cranial nerve palsy, cavernous sinus aneurysms and, 143
Hydrocephalus
  monoventricular, endoscopic surgery for, 246
  ventriculoatrial shunt for, thrombus formation and infection as complication, 54
Hygroma, subdural space-occupying, traumatic brain injury, 630
Hyperhidrosis palmaris, transthoracic endoscopic sympathectomy of, 453
Hypothermia, moderate, severe head injury during, brain tissue oxygen pressure monitoring, 393

I
Infection, spinal epidural abscess, contemporary trends, 189
Intracranial hemorrhage, brain metastases mimicking, 46
Intracranial pressure, monitors, ventricular drains and, antibiotics with, 226
Intracranial targets, superficial, surgical navigation for, 530
Intraoperative monitoring, Doppler, spinal dural AVM, 466
Ischemia
  spinal cord, ischemic preconditioning protection, 299
  vertebrobasilar transient, 386

J
Jugular foramen, schwannoma, stereotactic radiosurgery, 172

K
6-Keto-PGF2α, plasma levels, in acute brain injury, 238

L
Laminectomy, bilateral partial, lumbar spinal stenosis and midline disc herniation, 329
Lumbar nerve, lateral region, quantitative study, 353
Lumbar spine, stenosis, midline disc herniation and, laminectomy for, 329

M
Magnetic resonance imaging (MRI)
  cervical disc herniation, acute paraplegia with, 204
  posterior fossa chondroma, arising from the tentorium, 604
  tethered cord syndrome, adults, 362
  transsphenoidal pituitary tumor resection, 592
Medial raphes, cerebral aneurysm relations, 536-le
Medicare, 106-ed
Melanin, choroid plexus papilloma, 37
Meningeal artery, middle, preoperative embolization for meningiomas, 270
Meningiomas
  cavernous sinus, invasion of internal carotid artery by, 167
  falx, presenting as acute subdural hematoma, 180
  hypervascular, preoperative embolization, 270
  lower clivus foramen magnum, anastomosis of posterior inferior cerebellar artery, 185
  skull base, gamma knife radiosurgery for, 40
  spinal, surgical results for, 552
Meningitis, gram-negative bacillary, adult post-neurosurgical patients, 438
Methyl methacrylate, cranioplasty, rigid fixation of, 310
Micro-dural repair, anterior cervical, CSF fistula, 511
Microsurgery, transsphenoidal, management of nonfunctioning pituitary adenoma, 380
Motor cortex, precentral chondroma, preoperative PET activation for assessment, 24
Mucocele-like formation, prolactin-secreting pituitary adenomas, dopamine agonist therapy, 274
Myocardial infarction, thrombolysis for, cerebral aneurysm rupture after, 623

N
Neurocysticercosis, active, outcomes of medical treatment, Korea, 563
Neurofibromatosis, AVMs and, 324-le
Neuroimaging
  corpus callosum infarction, 210
  epidural cavernous angiomas, radiologic and surgical aspects, 198
  sudden headache, pituitary infarction and, 532
Neuronavigation
  pituitary surgery, 649-le
  surgical neurology and, 7
Neuropathy, hypertrophic inflammatory, bilateral brachial plexus, 458
Neurosurgery
  adult, gram-negative bacillary meningitis after, 438
  fellowship training, 641
  peripheral nervous system, entrapment syndromes of lower extremities, 449
  progress of, major discoveries in the last 20 years, 3
  reconstructive, safety of dura mater substitute, 418
Nutritive vessel, in AVM, presurgical endovascular treatment, 160

O
Omental transposition, 539-le
Ophthalmic vein, superior, treatment of carotid-cavernous sinus fistula, 286
Orbit, mesenchymal extraskeletal chondrosarcoma, 50
Orbitozygomatic approach, transposition of temporalis muscle, one-piece osteotomy and, 81
Oxygen pressure, brain tissue, monitoring, severe head injury patients, 393

P
Papilloma, choroid plexus, clinicopathological study, 37
Paraclinoid aneurysm, treatment of, 324-le
Paraplegia, acute, cervical disc herniation and, 204
Parkinson's disease, current therapy in, 318
Perforating artery, branches of the anterior choroidal artery, surgical anatomy, 30
Pericallosal artery, distal anterior cerebral artery aneurysms, 128
Peripheral nervous system, neurosurgery, entrapment syndromes of lower extremities, 449
Peripheral vascular trauma, aneurysm of superficial temporal artery, pin-type head-holder device, 400
Pial branches, meningiomas of, preoperative embolization, 270
Pituitary adenoma
  ACTH measurement, intraoperative micromethod, 585
  nonfunctioning, management with transsphenoidal microsurgery, 380
  prolactin-secreting, mucocele-like formation in, dopamine agonist therapy, 274
  transsphenoidal resection
    neuronavigation in, 649-le
    postoperative MRI appearance, 592
Pituitary infarction, sudden headache and, 532
Pneumocephalus, prepontine tension, low basilar trunk aneurysm surgery, 485
Positron emission tomography (PET), preoperative, in precentral chondroma, 24
Praziquantel, treatment of active neurocysticercosis, Korea, 563
Preconditioning, ischemic, protection from spinal cord ischemia, 299
Prepontine cistern, low basilar trunk aneurysm surgery, complication, 485
Prolactin, pituitary adenoma secretion of, mucocele-like formation leading to symptoms, 274
Prostaglandins, plasma levels, in acute brain injury, 238
Pseudoaneurysm, persistent, late hemorrhage from, in vertebral artery dissection, 480

R
Radiation therapy, craniofacial resection, nasoseptal chondrosarcoma, 265
Radiology, choroid plexus papilloma, 37
Radiosurgery
  gamma knife, skull base meningiomas, 40
  stereotactic, jugular foramen schwannomas, 172
Radiotherapy, mesenchymal extraskeletal chondrosarcoma, orbit, 50
Recanalization, antegrade, after treatment of giant intracavernous cerebral aneurysm, 611
Resident's Corner
  If I gave you a million dollars, what would you do with it?, 316
  Inadvertent intracranial placement of a nasogastric tube in head injury, 426

Revascularization, cerebellar artery, before excision of lower clivus foramen magnum meningioma, 185
Rhizotomy, cranial fossa tumor, trigeminal neuralgia after removal, 56

S
Scalp wound, aneurysm of superficial temporal artery, pin-type head-holder device, 400
Schwannomas, jugular foramen, stereotactic radiosurgery for, 172
Semicircular clip, internal carotid artery aneurysms, 150
Skull, defect, methyl methacrylate cranioplasty, 310
Skull base, surgery
  ethmoidal cancer, 501
  orbitozygomatic approach, 81
Skull fracture, depressed, camel collision injuries, 638
Spinal cord
  arteriovenous fistula, involving conus medullaris, 95
  Brucella granuloma, 570
  epidural abscess, contemporary trends, 189
  epidural cavernous angiomas, radiologic and surgical aspects, 198
  intramedullary ependymal cyst, 357
  ischemia, ischemic preconditioning protection, 299
  lumbar, lateral region, quantitative study, 353
  meningiomas, surgical results for, 552
Spinal cord evoked potentials, ischemic preconditioning protection, spinal cord ischemia, 299
Spinal fusion
  bilateral partial laminectomy, lumbar spinal stenosis and disc herniation, 329
  cervical, trapezoidal plate stabilization and, re-do surgery, 329345
Spine, thoracic and lumbar, percutaneous transpedicular biopsy of vertebrae, 545
Spondylostenosis, circumferential cervical surgery for, cerebral palsy, 339
Stereolithography, cerebrovascular biomodelling, 490
Stereotaxy
  aspiration, treatment of brain stem abscess, 445
  biopsy, intracranial tuberculoma, 253
  endoscopic surgery, intracranial empyema, 412
  management of brain abscess, 404
  two-step resection, volumetric information, 515
Stroke, genetics of, rats, 17
Subarachnoid hemorrhage
  after thrombolysis, acute myocardial infarction, 623
  dural arteriovenous fistulas, tentorium, 294
  ruptured cerebral aneurysm, surgery and long-term care, 123
Subdural hemorrhage, acute, falx meningioma presenting as, 180
Subfronto-orbito-nasal approach, ethmoidal cancer, 501
Supraclavicular nerve, injury, manual carotid compression for carotid-cavernous sinus fistula, 306
Surgery. *see also* Neurosurgery, and the specific type and site
  brain stem cavernomas, 84
  cervical disc, secondary gain influence on, 217
  cranial base, vasospasm after tumor resection, 577
  craniofacial resection, nasoseptal chondrosarcoma, 265
  distal anterior cerebral artery aneurysms, 128
  internal carotid artery aneurysms, semicircular clip for, 150
  intraoperative measurement, ACTH, pituitary tissue in Cushing's disease, 585
  navigation, superficial intracranial targets, 530
  re-do, trapezoidal plate stabilization and, cervical fusion, 329, 345
  simulation, virtual vascular 3D-CT, cerebral aneurysm, 113
  spinal cord, epidural cavernous angiomas, 198
  stereotactic
    endoscopic, intraventricular empyema, 412
    management of brain abscess, 404
    two-step resection, volumetric information, 515
  temporalis approach, for pterional and cranio-orbital craniotomies, 524
  tethered cord syndrome, MRI in, adults, 362
Surgical neurology, neuronavigation and, 7
Sympathectomy, endoscopic, hyperhidrosis palmaris, 453
Sympathetic nerve, palsy, cavernous sinus aneurysms and, 143

T
Telangectasia, brain stem cavernomas, 84
Temporal artery, superficial
  posterior temporal artery and, bypass surgery, 73
  traumatic aneurysm, with pin-type head-holder device, 400
Temporalis muscle
  reconstruction, for pterional and cranio-orbital craniotomies, 524
  transposition, one-piece osteotomy and, 81
Tethered cord syndrome, adults, MRI, 362
Thoracic nerve, lateral region, quantitative study, 353
Thrombolysis, for myocardial infarction, cerebral aneurysm rupture after, 623
Thromboxane B2, plasma levels, in acute brain injury, 238
Time to tumor progression, survival and, glioblastoma multiforme, 371
Transcerebellar approach, stereotactic aspiration, treatment of brain stem abscess, 445
Transplantation, cell, in the CNS, 13
Transsphenoidal surgery
  management of nonfunctioning pituitary adenoma, 380
  pituitary tumor
    MRI postoperative appearance, 592
    neuronavigation in, 649-le
Trauma
  bilateral carotid cavernous fistula, spontaneous resolution of, 627
  camel collision injuries, depressed skull fracture, 638
Trigeminal neuralgia, contralateral, after removal of cranial fossa tumor, 56
Tuberculoma, intracranial, stereotactic biopsies in, 253
Tumor resection, extension of, time to tumor progression and survival, 371
Turcot's syndrome, intracranial arteriovenous malformation with, 397

U
Ultrasonography, intraoperative microdoppler monitoring, spinal dural AVM, 466

V
Vasospasm, after cranial base tumor resection, 577
Venous anomalies, developmental, brain stem, 280
Ventricular drains, external, intracranial pressure monitors and, antibiotics with, 226
Ventriculoatrial shunt, hydrocephalus, thrombus formation and infection as complication, 54
Vertebrae, thoracic and lumbar, percutaneous transpedicular biopsy of, 545
Vertebral artery, dissection, late hemorrhage from pseudoaneurysm in, 480
Vertebrobasilar disease, transient ischemic attacks, 386